

Maxwell Road
Stevenage
Hertfordshire
SG1 2EW

T: +44(0) 1438 777 700
info@fira.co.uk

www.fira.co.uk

Camira Fabrics

Meltham Mills

Meltham

Huddersfield

West Yorkshire

Our Ref: **TX-7367-S1**

Date: 08 March 2021

Delivery Date: 08 December 2021

Test Dates: 15 January- 01 March 2021

For the attention of Rebecca Grimes

SAMPLE(S) FOR TEST:

One, Fabric – Ref: Gravity Colour: Petal Run: 462639

Note: The above descriptions are as supplied by the client and have not been verified by FIRA International who can take no responsibility for the accuracy of the description.

TEST REQUIREMENTS:

Abrasion - BS EN ISO 12947-2: 2016

Colour fastness to light - BS EN ISO 105-B02: 2014 Method 3*

RESULT:

Severe Contract

Severe Contract

*Contracted out to another UKAS accredited test laboratory

FIRA International is a UKAS TESTING Laboratory No. 0174

Tests marked "Not UKAS Accredited" in this Report are not included in the UKAS Accreditation Schedule for our laboratory.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

This Report relates to the sample(s) submitted for test and no others. Additions, deletions or alterations are not permitted.

Test reports are given to the client in confidence, and may only be reproduced in whole or in part with written permission from FIRA International Limited. Note that the words "**tested by FIRA International**" may be used in subsequent publicity for the product; "approved" must **not** be used.

Tests are carried out on the understanding that neither FIRA International Limited nor its officers can accept any legal responsibility for information or advice given or opinions expressed whether in response to specific enquiries or otherwise.

This Report is given subject to the Terms of Business of FIRA International Limited which are available at www.fira.co.uk/document/fira-terms-and-conditions.pdf



TX- 7367-S1
Page 1 of 3

FIRA International
Registered office: 10 Lower Grosvenor Place,
London, UK, SW1W 0EN
Registered in England No: 3181481

TECHNICAL REPORT

DESCRIPTION

One, Fabric – Ref: Gravity Colour: Petal Run: 462639

Initial Inspection: Condition as new

Unless otherwise stated:

Conditioning: In accordance with BS EN ISO 139: 2005+A1:2011; >24 hours at 20±2°C & 65±4% relative humidity;

Testing: In accordance with BS EN ISO 139: 2005+ A1:2011 20±2°C & 65±4% relative humidity

TEST RESULTS

MARTINDALE ABRASION TEST – BS EN 14465: 2003 Annex A (Method BS EN ISO 12947-2: 2016).

Specimen breakdown for woven fabrics, defined in BS EN 14465: 2003 as three threads completely broken occurred at:

Specimen A	80,000 cycles
Specimen B	80,000 cycles
Specimen C	80,000 cycles

Overall result 80,000 cycles

At 3,000 cycles the colour change assessed as in BS EN 20105-A02 was grade 4-5.

The abrasion resistance is evaluated by the end point method with an 8-fold magnification aid. The specimens were mounted in specimen holders with foam backing and the specimen pressure used for upholstery use applications is 12kPa.

COLOUR FASTNESS TO LIGHT – BS EN ISO 105-B02: 2014 Method 3*

Conditioning: None required

Testing: In accordance with BS EN ISO 105-B02:2014 the conditions are set to Exposure cycle A1 where Black Standard Temperature is 47±3°C and Effective Humidity is approximately 40% (monitored through the use of humidity-test control fabric).

Blue dyed wool grade
6

The numerical rating for the light fastness on the scale of exposed blue dyed wool was **6**.

According to BS 2543: 2004, fabrics suitable for light domestic, general domestic, heavy domestic, general contract upholstery use applications should display the minimum rating of 5, and a minimum rating of 6 for fabrics suitable for severe contract use.



TECHNICAL REPORT

CONCLUSION

The material properties for BS EN 14465: 2003 indicates that this fabric reaches a performance level of:

Test performed	Performance level
Abrasion - BS EN 14465: 2003 Annex A (BS EN ISO 12947-2:2016)	A
Colour fastness to light - BS EN ISO 105-B02: 2014 Method 3	A

According to BS 2543:2004, this fabric is suitable in respect of abrasion properties for Severe Contract (SC) upholstery applications.

According to BS 2543: 2004, this fabric is suitable in respect of colour fastness to light properties for Severe Contract (SC) upholstery use applications.*

A Grading Assessment Tolerance of +/-0.5 of grade is applicable for all Colour Fastness assessments due to their subjective nature. This uncertainty was not applied to the reported results and therefore it needs to be considered when determining compliance with a specification. The temperature and humidity are at the tolerances stated in the standard. Uncertainty of Measurement calculations have not been applied. FIRA Uncertainty of Measurement values are available on request.

Tested by: Stephen Cotton
Reported by: Luis Mitchell
Approved by: Stephen Cotton
Technical Specialist

***** End of Report *****

